

METHODS AND APPARATUS FOR DETECTION AND TREATMENT OF SYNCOPES

ABSTRACT OF THE DISCLOSURE

5 The present invention relates to methods and apparatus for detection
and treatment of syncope in an implantable medical device, and particularly to
detection of syncope as a function of a predetermined increase in one or
more respiration parameter and drop in heart rate and optionally delivering a
pacing therapy in response thereto. The onset of a syncopal episode is
10 declared when the patient's respiration rate and/or tidal volume and/or minute
ventilation increases by a predetermined increment or threshold and a heart
rate drops below a threshold heart rate drop. The threshold heart rate drop is
preferably established as a function of the change in the respiration
parameter.

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